

IN THE CLAIMS

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

Claim 1. (*Currently Amended*) An apparatus for measuring differences in transmission of light through a lens of an eye of a patient using shades of color and brightness of color, comprising:

a chart having a test section displaying a selected shade of a test color and a reference section simultaneously displaying a spectrum of shades of the test color including the selected shade;

means for uniquely identifying each of the shades displayed in the spectrum of the reference section;

means for illuminating the chart; and

means for displaying the chart, [[.]]

whereby shades of color and brightness of color that are perceived by the eye are used to determine whether the eye has impaired transmission of light through the lens.

Claim 2. *(Original)* The apparatus for measuring differences according to claim 1, said means for uniquely identifying comprises a unique identifying indicia disposed on each of the shades of the spectrum.

Claim 3. *(Original)* The apparatus for measuring differences according to claim 1, further comprising a Snellen chart disposed on said chart.

Claim 4. *(Original)* The apparatus for measuring differences according to claim 1, wherein said means for illuminating comprises a constant intensity light source.

Claim 5. *(Original)* The apparatus for measuring differences according to claim 4, wherein said means for illuminating further comprises a variable intensity light source.

Claim 6. *(Original)* The apparatus for measuring differences according to claim 5, wherein said variable intensity light source includes a dimmer.

Claim 7. *(Original)* The apparatus for measuring differences according to claim 1, wherein said means for displaying said chart comprises an illumination cabinet.

Claim 8. (*Original*) The apparatus for measuring differences according to claim 1, wherein said means for displaying said chart comprises an enclosed box.

Claim 9. (*Currently Amended*) An apparatus for measuring differences in transmission of light through a lens of an eye using shades of color and brightness of color, comprising:

a chart having a test section displaying solely a first shade of a test color and a reference section located adjacent to said test section and simultaneously displaying solely a second shade of the test color different from the first shade;

a first light source for illuminating the test section;

a second light source for illuminating the reference section, the second light source including means for varying illumination intensity produced by the light source; and

means for displaying the chart,

whereby shades of color and brightness of color that are perceived by the eye are used to determine whether the eye has impaired transmission of light through the lens.

Claim 10. (*Original*) The apparatus for measuring differences according to claim 9, wherein said first light source comprises a constant intensity light source.

Claim 11. (*Original*) The apparatus for measuring differences according to claim 10, wherein said second light source comprises a variable intensity light source.

Claim 12. (*Original*) The apparatus for measuring differences according to claim 11, wherein said variable light source includes a dimmer.

Claim 13. (*Original*) The apparatus for measuring differences according to claim 11, wherein said second light source comprises a plurality of constant intensity light sources of different intensities and at least one light switch electrically connected to said plurality of light sources for electrically switching one of the light switches on at a time.

Claim 14. (*Original*) The apparatus for measuring differences according to claim 9, wherein said means for displaying comprises a display box.

Claim 15. (*Original*) The apparatus for measuring differences according to claim 9, wherein said first light source comprises a variable intensity light source in order to adjust the test color to any desired shade.

Claim 16. (*Currently Amended*) A method for measuring differences in transmission of light through a lens of an eye of a patient using shades of color and brightness of color, comprising the steps of:

displaying a chart having a test section and a reference section, the test section displaying a shade of a test color and the reference section simultaneously displaying only a spectrum of shades of the test color identified by a unique indicia;

illuminating the test section and the reference section with at least one light source;
instructing the patient to match the shade of the test color shown in the test section to one of the shades of the spectrum of the reference section; and
recording the shade from the reference section selected by the patient identifying the unique indicia [[.]]
whereby shades of color and brightness of color that are perceived by the eye are used to determine whether the eye has impaired transmission of light through the lens.

Claim 17. (*Original*) The method for measuring differences according to claim 16, wherein said at least one light source comprises a variable intensity light source, the method further comprising the step of adjusting the intensity of light illuminating the test section to a desired shade of the spectrum.